Item	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch 30.00m to 45.00m	1	15.00	(6.60 + 6.00)/2	0.15	14.18	
	Ch 45.00m to 60.00m	1	15.00	(6.00 + 6.10)/2	0.15	13.61	
	Ch.60.00m to 75.00m	1	15.00	(6.10 + 6.00)/2	0.15	13.61	
	Ch 75.00m to 89.60m	1	14.60	(6.00 + 6.20)/2	0.15	13.36	
	Cross Rd-3						
	Ch:0.00m to 15.00m	1	15.00	(4.40 + 4.40)/2	0.15	9.90	
	Ch 15.00m to 24.50m	1	9.50	(4.40 + 4.40)/2	0.15	6.27	
	Kogilu Layout						
	5th Cross Rd(Right Side)						
	Ch:0.00m to 15.00m	1	15.00	(3.60 + 3.10)/2	0.15	7.54	
	Ch:15.00m to 30.00m	1	15.00	(3.10 + 3.10)/2	0.15	6.98	
	Ch:30.00m to 33.00m	1	3.00	(3.10 + 3.10)/2	0.15	1.40	
	4th Cross Rd(Right Side)						
	Ch:0.00m to 15.00m	1	15.00	(3.80 + 3.80)/2	0.15	8.55	
	Ch:15.00m to 30.00m	1	15.00	(3.80 + 3.80)/2	0.15	8.55	
	Ch:30.00m to 43.40m	1	13.40	(3.80 + 4.00)/2	0.15	7.84	
	7th Cross Rd(Right Side)						
	Ch:0.00m to 15.00m	1	15.00	(5.50 + 5.70)/2	0.15	12.60	
	Ch:15.00m to 30.00m	1	15.00	(5.70 + 5.80)/2	0.15	12.94	
	Ch.30.00m to 41.40m	1	11.40	(5.80 + 5.80)/2	0.15	9.92	
					Present Qty	**293.92**	**Cum**

NEWZEN CONSULTANT Consultant Bangalore

Asst. Engineer

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Name of Work: Improvements Roads and Drains at Kogilu Layout Ambedkar Colony Surrounding area in Ward No. 05

Detailed Measurements

Measurement Recorded On:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
22	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.						
	Kogilu Layout						
	Masid Main Road						
	Ch:0.00m to 15.00m	1	15.00	(4.80 + 4.90)/2		72.75	
	Ch:15.00m to 30.00m	1	15.00	(4.90 + 5.50)/2		78.00	
	Ch:30.00m to 45.00m	1	15.00	(5.50 + 6.00)/2		86.25	
	Ch:45.00m to 60.00m	1	15.00	(6.00 + 5.40)/2		85.50	
	Ch:60.00m to 63.20m	1	3.20	(5.40 + 5.40)/2		17.28	
	Opp to Masid Main Road(Left Side)						
	Ch:0.00m to 15.00m	1	15.00	(4.50 + 4.90)/2		70.50	
	Ch:15.00m to 30.00m	1	15.00	(4.90 + 5.50)/2		78.00	
	Ch:30.00m to 45.00m	1	15.00	(5.50 + 5.40)/2		81.75	
	Ch:45.00m to 60.00m	1	15.00	(5.40 + 5.40)/2		81.00	
	Ch:60.00m to 75.00m	1	15.00	(5.40 + 5.10)/2		78.75	
	Ch:75.00m to 83.80m	1	8.80	(5.10 + 5.10)/2		44.88	
	5th Cross Rd(Left Side)						
	Ch:0.00m to 15.00m	1	15.00	(6.90 + 6.80)/2		102.75	
	Ch:15.00m to 30.00m	1	15.00	(6.80 + 6.60)/2		100.50	
	Ch:30.00m to 45.00m	1	15.00	(6.60 + 6.00)/2		94.50	
	Ch:45.00m to 60.00m	1	15.00	(6.00 + 6.10)/2		90.75	

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Asst. Engineer

Asst. Exec. Engineer,

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Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Ch:60.00m to 75.00m	1	15.00	(6.10 + 6.00) / 2		90.75	
	Ch:75.00m to 89.60m	1	14.60	(6.00 + 6.20) / 2		89.06	
	Cross Rd-3						
	Ch:0.00m to 15.00m	1	15.00	(4.40 + 4.40) / 2		66.00	
	Ch:15.00m to 24.50m	1	9.50	(4.40 + 4.40) / 2		41.80	
	Kogilu Layout						
	5th Cross Rd(Right Side)						
	Ch:0.00m to 15.00m	1	15.00	(3.60 + 3.10) / 2		50.25	
	Ch:15.00m to 30.00m	1	15.00	(3.10 + 3.10) / 2		46.50	
	Ch:30.00m to 33.00m	1	3.00	(3.10 + 3.10) / 2		9.30	
	4th Cross Rd(Right Side)						
	Ch:0.00m to 15.00m	1	15.00	(3.80 + 3.80) / 2		57.00	
	Ch:15.00m to 30.00m	1	15.00	(3.80 + 3.80) / 2		57.00	
	Ch:30.00m to 43.40m	1	13.40	(3.80 + 4.00) / 2		52.26	
	7th Cross Rd(Right Side)						
	Ch:0.00m to 15.00m	1	15.00	(5.50 + 5.70) / 2		84.00	
	Ch:15.00m to 30.00m	1	15.00	(5.70 + 5.80) / 2		86.25	
	Ch:30.00m to 41.40m	1	11.40	(5.80 + 5.80) / 2		66.12	
					Present Qty	**1959.45**	**Sqm**

NEWZEN CONSULTANT Consultant Bangalore

Asst. Engineer 3/3/14

Asst. Exec. Engineer 3/3/2014

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Name of Work: Improvements Roads and Drains at Kogilu Layout Ambedkar Colony Surrounding area in Ward No. 05

Detailed Measurements

Date of Pre-Measurement : 01 | 02 | 21 | 12 | 21

Description of Item	No	Length	Breadth	Depth	Qty	Unit
KSRB 4-1.6 , Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications.						
For Flagging Course P.C.C						
Kogilu Layout						
1st Cross Rd						
LHS(From Dead End)						
Ch:0.00m to 30.00m	2	30.00	0.20	0.15	1.80	
Ch:30.00m to 60.00m	2	30.00	0.20	0.15	1.80	
Ch:60.00m to 78.00m	2	18.00	0.20	0.15	1.08	
Ch:78.00m to 83.00m (gap)						
Ch:83.00m to 113.00m	2	30.00	0.20	0.15	1.80	
Ch:113.00m to 143.00m	2	30.00	0.20	0.15	1.80	
Ch:143.00m to 151.50m	2	8.50	0.20	0.15	0.51	
Ch:151.50m to 155.70m	2	4.20	0.20	0.15	0.25	
Ch:155.70m to 185.70m	2	30.00	0.20	0.15	1.80	
Ch:185.70m to 215.70m	2	30.00	0.20	0.15	1.80	
Ch:215.70m to 232.80m	2	17.10	0.20	0.15	1.03	
RHS(From Main Rd)						
Ch:0.00m to 30.00m	2	30.00	0.20	0.15	1.80	
Ch:30.00m to 60.00m	2	30.00	0.20	0.15	1.80	
Ch:60.00m to 78.90m	2	18.90	0.20	0.15	1.13	
Ch:78.90m to 81.90m	2	3.00	0.20	0.15	0.18	
Ch:81.90m to 106.40m	2	24.50	0.20	0.15	1.47	
Ch:106.40m to 110.00m	2	3.60	0.20	0.15	0.22	
Ch:110.00m to 140.00m	2	30.00	0.20	0.15	1.80	
Ch:140.00m to 170.00m	2	30.00	0.20	0.15	1.80	
Ch:170.00m to 200.00m	2	30.00	0.20	0.15	1.80	
Ch:200.00m to 230.00m	2	30.00	0.20	0.15	1.80	
Ch:230.00m to 233.60m	2	3.60	0.20	0.15	0.22	
2nd Cross Rd						
LHS(From Dead End)						
Ch:0.00m to 30.00m	2	30.00	0.20	0.15	1.80	
Ch:30.00m to 60.00m	2	30.00	0.20	0.15	1.80	
Ch:60.00m to 90.00m	2	30.00	0.20	0.15	1.80	
Ch:90.00m to 120.00m	2	30.00	0.20	0.15	1.80	

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3/2/21
Assistant Engineer

3/2/21
Asst. Executive Engineer,

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Discription of Item	No	Length	Breadth	Depth	Qty	Unit
Ch 130.00m to 150.00m	2	30.00	0.20	0.15	1.80	
Ch 150.00m to 165.00m	2	15.00	0.20	0.15	0.90	
Ch.165.00m to 193.00m	2	28.00	0.20	0.15	1.68	
Ch.193.00m to 223.00m	2	30.00	0.20	0.15	1.80	
Ch 223.00m to 228.40m	2	5.40	0.20	0.15	0.32	
RHS(From Main Rd)						
Ch 0.00m to 12.40m	2	12.40	0.20	0.15	0.74	
Ch 12.40m to 21.30m	2	8.90	0.20	0.15	0.53	
Ch 21.30m to 46.40m	2	25.10	0.20	0.15	1.51	
Ch 46.40m to 49.40m	2	3.00	0.20	0.15	0.18	
Ch 49.40m to 79.40m	2	30.00	0.20	0.15	1.80	
Ch 79.40m to 109.40m	2	30.00	0.20	0.15	1.80	
Ch 109.40m to 139.40m	2	30.00	0.20	0.15	1.80	
Ch.139.40m to 146.40m	2	7.00	0.20	0.15	0.42	
Ch.146.40m to 151.20m	2	4.80	0.20	0.15	0.29	
Ch.151.20m to 181.20m	2	30.00	0.20	0.15	1.80	
Ch 181.20m to 211.20m	2	30.00	0.20	0.15	1.80	
Ch.211.20m to 225.20m	2	14.00	0.20	0.15	0.84	
3rd Cross Rd						
LHS(From Main Rd)						
Ch:0.00m to 30.00m	2	30.00	0.20	0.15	1.80	
Ch.30.00m to 50.50m	2	20.50	0.20	0.15	1.23	
Ch:50.50m to 57.70m	2	7.20	0.20	0.15	0.43	
Ch.57.70m to 60.10m	2	2.40	0.20	0.15	0.14	
Ch:60.10m to 90.10m	2	30.00	0.20	0.15	1.80	
Ch:90.10m to 120.10m	2	30.00	0.20	0.15	1.80	
Ch:120.10m to 122.70m	2	2.60	0.20	0.15	0.16	
Ch:122.70m to 134.70m	2	12.00	0.20	0.15	0.72	
Ch:134.70m to 164.70m	2	30.00	0.20	0.15	1.80	
Ch:164.70m to 194.70m	2	30.00	0.20	0.15	1.80	
Ch:194.70m to 224.70m	2	30.00	0.20	0.15	1.80	
RHS(From Main Rd)						
Ch:0.00m to 30.00m	2	30.00	0.20	0.15	1.80	
Ch:30.00m to 52.60m	2	22.60	0.20	0.15	1.36	
Ch:52.60m to 58.80m	2	6.20	0.20	0.15	0.37	
Ch:58.80m to 88.80m	2	30.00	0.20	0.15	1.80	
Ch:88.80m to 118.80m	2	30.00	0.20	0.15	1.80	
Ch:118.80m to 148.80m	2	30.00	0.20	0.15	1.80	
Ch:148.80m to 178.80m	2	30.00	0.20	0.15	1.80	
Ch:178.80m to 208.80m	2	30.00	0.20	0.15	1.80	
Ch:208.80m to 225.20m	2	16.40	0.20	0.15	0.98	
For Flagging Course Coping						
Kogilu Layout						
1st Cross Rd						

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6/2/24

Assistant Engineer

6/2/2024

Asst. Executive Engineer,

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Description of Item	No	Length	Breadth	Depth	Qty	Unit
RHS(From Dead End)						
Ch 0.00m to 30.00m	2	30.00	0.15	0.10	0.90	
Ch 30.00m to 60.00m	2	30.00	0.15	0.10	0.90	
Ch 60.00m to 78.00m	2	18.00	0.15	0.10	0.54	
Ch 78.00m to 81.30m (ADP)						
Ch 81.30m to 111.30m	2	30.00	0.15	0.10	0.90	
Ch 111.30m to 141.30m	2	30.00	0.15	0.10	0.90	
Ch 141.30m to 150.80m	2	8.50	0.15	0.10	0.26	
Ch 150.80m to 155.30m	2	4.50	0.15	0.10	0.13	
Ch 155.30m to 185.30m	2	30.00	0.15	0.10	0.90	
Ch 185.30m to 215.30m	2	30.00	0.15	0.10	0.90	
Ch 215.30m to 232.80m	2	17.10	0.15	0.10	0.51	
LHS(From Main Rd)						
Ch 0.00m to 30.00m	2	30.00	0.15	0.10	0.90	
Ch 30.00m to 60.00m	2	30.00	0.15	0.10	0.90	
Ch 60.00m to 78.90m	2	18.90	0.15	0.10	0.57	
Ch 78.90m to 81.90m	2	3.00	0.15	0.10	0.09	
Ch 81.90m to 106.40m	2	24.50	0.15	0.10	0.74	
Ch 106.40m to 110.00m	2	3.60	0.15	0.10	0.11	
Ch 110.00m to 140.00m	2	30.00	0.15	0.10	0.90	
Ch 140.00m to 170.00m	2	30.00	0.15	0.10	0.90	
Ch 170.00m to 200.00m	2	30.00	0.15	0.10	0.90	
Ch 200.00m to 230.00m	2	30.00	0.15	0.10	0.90	
Ch 230.00m to 233.60m	2	3.60	0.15	0.10	0.11	
2nd Cross Rd						
LHS(From Dead End)						
Ch 0.00m to 30.00m	2	30.00	0.15	0.10	0.90	
Ch 30.00m to 60.00m	2	30.00	0.15	0.10	0.90	
Ch 60.00m to 90.00m	2	30.00	0.15	0.10	0.90	
Ch 90.00m to 120.00m	2	30.00	0.15	0.10	0.90	
Ch 120.00m to 150.00m	2	30.00	0.15	0.10	0.90	
Ch 150.00m to 165.00m	2	15.00	0.15	0.10	0.45	
Ch 165.00m to 193.00m	2	28.00	0.15	0.10	0.84	
Ch 193.00m to 223.00m	2	30.00	0.15	0.10	0.90	
Ch 223.00m to 228.40m	2	5.40	0.15	0.10	0.16	
RHS(From Main Rd)						
Ch 0.00m to 12.40m	2	12.40	0.15	0.10	0.37	
Ch 12.40m to 21.30m	2	8.90	0.15	0.10	0.27	
Ch 21.30m to 46.40m	2	25.10	0.15	0.10	0.75	
Ch 46.40m to 49.40m	2	3.00	0.15	0.10	0.09	
Ch 49.40m to 79.40m	2	30.00	0.15	0.10	0.90	
Ch 79.40m to 109.40m	2	30.00	0.15	0.10	0.90	
Ch 109.40m to 139.40m	2	30.00	0.15	0.10	0.90	
Ch 139.40m to 146.40m	2	7.00	0.15	0.10	0.21	

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Asst. Executive Engineer

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Description of item	No	Length	Breadth	Depth	Qty	Unit
Ch 45.20m to 151.20m	2	4.80	0.15	0.10	0.14	
Ch 151.20m to 181.20m	2	30.00	0.15	0.10	0.90	
Ch 181.20m to 211.20m	2	30.00	0.15	0.10	0.90	
Ch 211.20m to 225.20m	2	14.00	0.15	0.10	0.42	
2nd Cross Rd						
RHS (From Main Rd)						
Ch 0.00m to 30.00m	2	30.00	0.15	0.10	0.90	
Ch 30.00m to 50.50m	2	20.50	0.15	0.10	0.62	
Ch 50.50m to 57.70m	2	7.20	0.15	0.10	0.22	
Ch 57.70m to 60.10m	2	2.40	0.15	0.10	0.07	
Ch 60.10m to 90.10m	2	30.00	0.15	0.10	0.90	
Ch 90.10m to 120.10m	2	30.00	0.15	0.10	0.90	
Ch 120.10m to 122.70m	2	2.60	0.15	0.10	0.08	
Ch 122.70m to 134.70m	2	12.00	0.15	0.10	0.36	
Ch 134.70m to 164.70m	2	30.00	0.15	0.10	0.90	
Ch 164.70m to 194.70m	2	30.00	0.15	0.10	0.90	
Ch 194.70m to 224.70m	2	30.00	0.15	0.10	0.90	
LHS (From Main Rd)						
Ch 0.00m to 30.00m	2	30.00	0.15	0.10	0.90	
Ch 30.00m to 52.60m	2	22.60	0.15	0.10	0.68	
Ch 52.60m to 58.80m	2	6.20	0.15	0.10	0.19	
Ch 58.80m to 88.80m	2	30.00	0.15	0.10	0.90	
Ch 88.80m to 118.80m	2	30.00	0.15	0.10	0.90	
Ch 118.80m to 148.80m	2	30.00	0.15	0.10	0.90	
Ch 148.80m to 178.80m	2	30.00	0.15	0.10	0.90	
Ch 178.80m to 208.80m	2	30.00	0.15	0.10	0.90	
Ch 208.80m to 225.20m	2	16.40	0.15	0.10	0.49	
				Present Qty	122.84	Cum

NEWZEN CONSULTANT Consultant Bangalore

12/3/24

Assistant Engineer

12/3/2024

Asst. Executive Engineer,

Scanned by TapScanner

Work: Improvements Roads and Drains at Kogilu Layout Ambedkar Colony Surrounding area in Ward No. 05

Detailed Measurements

Bill No Measurement 01 | 2 | 24 to 24 (3) 24

Description of Item	No	Length	Breadth	Depth	Qty	Unit
1.(05)12.14 Providing and constructing load bearing wall with solid concrete blocks of size (400x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) 2005 and masonry mortar with CM 1:4 , as per IS 2572 2005 (including cost of all materials, labour charges, curing) complete as per specifications						
Cross Flogging (course						
Kogilu Layout						
1st Cross Rd						
(RS)(From Dead End)						
0.00m to 30.00m	2	30.00		0.20	12.00	
30.00m to 60.00m	2	30.00		0.20	12.00	
60.00m to 78.00m	2	18.00		0.20	7.20	
78.00m to 83.00m (gap)		5.00				
83.00m to 113.00m	2	30.00		0.20	12.00	
113.00m to 143.00m	2	30.00		0.20	12.00	
143.00m to 151.50m	2	8.50		0.20	3.40	
151.50m to 155.70m	2	4.20		0.20	1.68	
155.70m to 185.70m	2	30.00		0.20	12.00	
185.70m to 215.70m	2	30.00		0.20	12.00	
215.70m to 232.80m	2	17.10		0.20	6.84	
2nd Cross Rd						
(RS)(From Main Rd)						
0.00m to 30.00m	2	30.00		0.20	12.00	
30.00m to 60.00m	2	30.00		0.20	12.00	
60.00m to 78.90m	2	18.90		0.20	7.56	
78.90m to 81.90m	2	3.00		0.20	1.20	
81.90m to 106.40m	2	24.50		0.20	9.80	
106.40m to 110.00m	2	3.60		0.20	1.44	
110.00m to 140.00m	2	30.00		0.20	12.00	
140.00m to 170.00m	2	30.00		0.20	12.00	
170.00m to 200.00m	2	30.00		0.20	12.00	
200.00m to 230.00m	2	30.00		0.20	12.00	
230.00m to 233.60m	2	3.60		0.20	1.44	
3rd Cross Rd						
(RS)(From Dead End)						
0.00m to 30.00m	2	30.00		0.20	12.00	
30.00m to 60.00m	2	30.00		0.20	12.00	
60.00m to 90.00m	2	30.00		0.20	12.00	
90.00m to 120.00m	2	30.00		0.20	12.00	

HEMZEN CONSULTANT Consultant Bangalore

Assistant Engineer

Asst Executive Engineer,

Scanned by TapScanner

Discription of Item	No	Length	Breadth	Depth	Qty	Unit
Ch:130.00m to 150.00m	2	30.00		0.20	12.00	
Ch:150.00m to 165.00m	2	15.00		0.20	6.00	
Ch:165.00m to 193.00m	2	28.00		0.20	11.20	
Ch:193.00m to 223.00m	2	30.00		0.20	12.00	
Ch:223.00m to 228.40m	2	5.40		0.20	2.16	
8HS(From Main Rd)						
Ch:0.00m to 12.40m	2	12.40		0.20	4.96	
Ch:12.40m to 21.30m	2	8.90		0.20	3.56	
Ch:21.30m to 46.40m	2	25.10		0.20	10.04	
Ch:46.40m to 49.40m	2	3.00		0.20	1.20	
Ch:49.40m to 79.40m	2	30.00		0.20	12.00	
Ch:79.40m to 109.40m	2	30.00		0.20	12.00	
Ch:109.40m to 139.40m	2	30.00		0.20	12.00	
Ch:139.40m to 146.40m	2	7.00		0.20	2.80	
Ch:146.40m to 151.20m	2	4.80		0.20	1.92	
Ch:151.20m to 181.20m	2	30.00		0.20	12.00	
Ch:181.20m to 211.20m	2	30.00		0.20	12.00	
Ch:211.20m to 225.20m	2	14.00		0.20	5.60	
3rd Cross Rd						
LHS(From Main Rd)						
Ch:0.00m to 30.00m	2	30.00		0.20	12.00	
Ch:30.00m to 50.50m	2	20.50		0.20	8.20	
Ch:50.50m to 57.70m	2	7.20		0.20	2.88	
Ch:57.70m to 60.10m	2	2.40		0.20	0.96	
Ch:60.10m to 90.10m	2	30.00		0.20	12.00	
Ch:90.10m to 120.10m	2	30.00		0.20	12.00	
Ch:120.10m to 122.70m	2	2.60		0.20	1.04	
Ch:122.70m to 134.70m	2	12.00		0.20	4.80	
Ch:134.70m to 164.70m	2	30.00		0.20	12.00	
Ch:164.70m to 194.70m	2	30.00		0.20	12.00	
Ch:194.70m to 224.70m	2	30.00		0.20	12.00	
RHS(From Main Rd)						
Ch:0.00m to 30.00m	2	30.00		0.20	12.00	
Ch:30.00m to 52.60m	2	22.60		0.20	9.04	
Ch:52.60m to 58.80m	2	6.20		0.20	2.48	
Ch:58.80m to 88.80m	2	30.00		0.20	12.00	
Ch:88.80m to 118.80m	2	30.00		0.20	12.00	
Ch:118.80m to 148.80m	2	30.00		0.20	12.00	
Ch:148.80m to 178.80m	2	30.00		0.20	12.00	
Ch:178.80m to 208.80m	2	30.00		0.20	12.00	
Ch:208.80m to 225.20m	2	16.40		0.20	6.56	
				Present Qty	**545.96**	**Sqm**

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Assistant Engineer

Asst. Executive Engineer,

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Name of Work: Improvements Roads and Drains at Kogilu Layout Ambedkar Colony Surrounding area in Ward No. 05							
	Detailed Measurements						
Description of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
SORB M300-12.1 Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, reinforced work, steel work, including T&P and scaffolding wherever necessary, stacking the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. By Manual Means B. Cement Concrete Grade M-15 & M-20.							
Vide pre-measurement page no.					391.89		
Present Qty					**391.89**	**526.00**	**206134.14**
SORB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimmingbottom and side slopes in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301							
Vide pre-measurement page no.					862.44		
Present Qty					**862.44**	**135.00**	**116429.13**
SORB M2 Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per pecifications.							
Vide pre-measurement page no.					70.69		
Present Qty					**688.35**	**425.00**	**292548.75**
SORB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM using form works, scaffolding and centering complete as per specifications.							
Vide pre-measurement page no.					53.97		
Present Qty					**53.97**	**5780.00**	**311929.26**

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Description of Item	No	Length	Breadth	Depth	Qty	Rate	Amount
4.6.1 Providing and removing centering, shuttering, strutting, propping and removal of form work for foundations, footings, bases of columns for concrete including cost of all materials, labour complete as per requirements Specification No. KBS 4.6.1 (P.No.16, I.No.4.28 of SOWTD SR 2018-19)							
Pre-measurement page no.					28.96		8312.16
Present Qty					**28.96**	**287.00**	**8311.52**
4.6.1 Providing and removing centering, shuttering, strutting, propping and removal of form work for foundations, footings, bases of columns for concrete including cost of all materials, labour complete as per requirements							
Pre-measurement page no.					173.76		
Present Qty					**173.76**	**398.00**	**69156.48**
4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications							
Pre-measurement page no.					7.87		621559.40
Present Qty					**7.87**	**78978.00**	**621638.52**
4.12.2 : Providing and laying in position plain cement concrete M7.5 upto 40mm and down size graded granite metal, machine mixed concrete laid in layers not exceeding 15 cms thick, well compacted, for internal diameter stoneware pipes including cost of materials, labour charges, HOM curing complete as per specifications Specification							
Pre-measurement page no.					293.92		
Present Qty					**357.20**	**647.00**	**231108.40**
4.29.12-1 : Providing and laying in position to required level or slope of internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints including cost of materials, labour charges complete as per specifications.							
Pre-measurement page no.					0.00		
Present Qty					**357.20**	**702.00**	**250754.40**
4.6.24 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.							
Pre-measurement page no.					514.37		

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	No	Length	Breadth	Depth	Qty	Rate	Amount
				Present Qty	**514.37**	**111.00**	**57094.84**
4.1 Providing and Constructing dry lean cement concrete mix (1:4:8) with OPC 53grs and down size graded granite metal coarse agg. @ 0.88cum and fine aggregates @0.58cum over a prepared sub-base and fine aggregate conforming to IS 383-2016,aggregate cement ratio covered 1:8:1. Aggregate gradation after blending to be as per Table 9 of IS 383-2016 maximum moisture content to be determined during trial length operation concrete strength not to be less than 10 Mpa at 7 days, mixed in a mix plant, transported to site, laid with a paver, compacting with 8-10 ton smooth wheeled roller, curing etc., complete as per specifications.							
				Re-measurement page no.	501.07		
				Present Qty	**293.92**	**3990.00**	**1172730.83**
4.2 Dry curing with vacuum pump and suction mat and compaction with power trowel clubbed with floating disc including cost of generator, HOM of power Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.							
				Re-measurement page no.	1959.45		
				Present Qty	**1959.45**	**74.50**	**145979.03**
EIRL							
4.3 (a) Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed concrete laid in layers not exceeding 15 cms. thick, well compacted, in columns, plinth and cills, including cost of all materials, labour, HOM complete as per specifications.							
				Re-measurement page no.	122.84		
				Present Qty	**122.84**	**6032.96**	**741095.06**
4.3 (b) Providing and constructing load bearing wall with solid concrete block of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 conforming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 1200 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.							
				Re-measurement page no.	545.96		
				Present Qty	**545.96**	**1028.12**	**561311.40**

Asst. Engineer

Asst Exec. Engineer

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Improvements Roads and Drains at Kogilu Layout Ambedkar (Colony Surrounding area in Ward No. 05

Detailed Measurements

Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and laying RCC Precast cover slab of 100mm thick for drain in cement mortar 1:3 using graded granite jelly 20mm and down size as per specification, including form work, lift charges, curing and finishing exposed surfaces on both sides etc, complete and as per drawing								
Road								
(Main Rd)								
0.00m to 30.00m	1	30.00	0.90		27.00			
30.00m to 50.50m	1	20.50	0.90		18.45			
50.50m to 57.70m	1	7.20	0.90		6.48			
57.70m to 60.10m	1	2.40	0.00		0.00			
60.10m to 90.10m	1	30.00	0.90		27.00			
90.10m to 120.10m	1	30.00	0.90		27.00			
120.10m to 122.70m	1	2.60	0.90		2.34			
122.70m to 134.70m	1	12.00	0.00		0.00			
134.70m to 164.70m	1	30.00	0.90		27.00			
164.70m to 194.70m	1	30.00	0.90		27.00			
194.70m to 224.70m	1	30.00	0.90		27.00			
Less Slab	-16	0.60	0.90		-8.64			
(Main Rd)								
0.00m to 30.00m	1	30.00	0.90		27.00			
30.00m to 52.60m	1	22.60	0.90		20.34			
52.60m to 58.80m	1	6.20	0.00		0.00			
58.80m to 88.80m	1	30.00	0.90		27.00			
88.80m to 118.80m	1	30.00	0.90		27.00			
118.80m to 148.80m	1	30.00	0.90		27.00			
148.80m to 178.80m	1	30.00	0.90		27.00			
178.80m to 208.80m	1	30.00	0.90		27.00			
208.80m to 225.20m	1	16.40	0.90		14.76			
Less Slab	-20	0.60	0.90		-10.80			
DRAIN								
Layout								
Factory								
0.00m to 24.00m	1	24.00	0.90		21.60			
Opp								
0.00m to 34.40m	1	10.40	0.90		9.36			
Opp								
34.40m to 64.40m	1	30.00	0.90		27.00			
64.40m to 69.20m	1	4.80	0.90		4.32			

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Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Culvert Gap								
Ch 69 20m to 87 30m	1	18 10	0 90		16 29			
Culvert Gap								
Ch 87 30m to 117 30m	1	30 00	0 90		27 00			
Ch 117 30m to 124 50m	1	7 20	0 90		6 48			
RHS(From Culvert)								
Ch 0 00m to 26 30m	1	26 30	0 90		23 67			
Culvert Gap								
Ch 26 30m to 44 60m	1	18 30	0 90		16 47			
Culvert Gap								
Ch 44 60m to 57 10m	1	12 50	0 90		11 25			
Kogilu Layout								
6th Cross Rd(Right Side)								
RHS(From Main Rd)								
Ch 0 00m to 30 00m	1	30 00	0 90		27 00			
Ch 30 00m to 42 80m	1	12 80	0 90		11 52			
				Present Qty	**568.89**	**Sqm**		
				Upto 125%	**213.75**	**Sqm**	**2454.00**	**524542.50**
				Above 125%	**355.14**	**Sqm**	**2454.00**	**871513.56**

Chd. & Fe.

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Assistant Engineer

Asst. Executive Engineer,

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Name of Work: Improvement to Roads and Drains at Kogilu Layout Ambedkar Colony Surrounding area in Ward No. 08

Detailed Measurements

Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and Fixing pre cast covering Slab 150mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including flexible mesh coating,including cost of all materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc complete As per Drawing								
Kogilu Cross								
Road	1	5.60	1.50		8.40			
Road	1	6.50	1.20		7.80			
Road	1	8.00	1.20		9.60			
Road	1	5.00	1.20		6.00			
Road	1	5.70	1.20		6.84			
Road	1	4.50	1.20		5.40			
Road	1	4.70	1.20		5.64			
Road	1	4.60	1.20		5.52			
Ramreshalli Cross								
Street Entrance	1	4.30	1.20		5.16			
Street RHS	1	4.30	1.20		5.16			
Street Middle	1	6.20	1.50		9.30			
Street Exit	1	5.00	1.20		6.00			
Kogilu Cross								
Ramreshalli Connecting Rd	1	9.00	1.50		13.50			
				Present Qty	92.82	Sqm	5688.00	527960.16

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Name of Work: Improvements Roads and Drains at Kogilu Layout Ambedkar Colony Surrounding area in Ward No. 05								
Detailed Measurements								
Book of Measurement								
Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
4.5828 12.8 Constructing brick masonry circular type manhole 1.22 m internal dia at bottom and 0.56m dia at top, with table moulded and non modular bricks of class designation 50 in cement mortar 1:4, inside cement plaster 12mm thick with cment mortar 1:3, finished with a								
for I G.D Pipeline Earthwork								
Kogilu Layout								
9th cross Road								
	3				3.00			
Ramde Road								
	2				2.00			
Masjid Main Road								
	1				1.00			
ath cross								
	1				1.00			
Present Qty					7.00	Nos	32628.00	228396.00

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Assistant Engineer

Asst. Executive Engineer,

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Name of Work: Improvements Roads and Drains at Kogilu Layout Ambedkar Colony Surrounding area in Ward No. 05

Detailed Measurements

Measurement Recorded On:

Discription of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire								
Kogilu Layout								
Slum Road(Right Side)								
Masid Main Road								
Ch:0.00m to 15.00m	1	15.00	(4.80 + 4.90)/2		0.15	10.91		
Ch:15.00m to 30.00m	1	15.00	(4.90 + 5.50)/2		0.15	11.70		
Ch:30.00m to 45.00m	1	15.00	(5.50 + 6.00)/2		0.15	12.94		
Ch:45.00m to 60.00m	1	15.00	(6.00 + 5.40)/2		0.15	12.83		
Ch:60.00m to 63.20m	1	3.20	(5.40 + 5.40)/2		0.15	2.59		
Opp to Masid Main Road(Left Side)								
Ch:0.00m to 15.00m	1	15.00	(4.50 + 4.90)/2		0.15	10.58		
Ch:15.00m to 30.00m	1	15.00	(4.90 + 5.50)/2		0.15	11.70		
Ch:30.00m to 45.00m	1	15.00	(5.50 + 5.40)/2		0.15	12.26		

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Asst. Engineer

Asst. Exec. Engine

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Description of Work	No	Length	Breadth			Height	Qty	Unit	Rate	Amount
Chainage at 0m										
0.00m to 60.00m	1	15.00	3.60	+	3.10	0.15	12.15			
60.00m to 120.00m	1	15.00	3.60	+	3.10	0.15	12.15			
120.00m to 135.00m	1	15.00	3.10	+	3.10	0.15	6.98			
135.00m to 143.00m	1	8.00								
0 to 3 from Rd (Left Side)										
0.00m to 15.00m	1	15.00	4.40	+	4.40	0.15	19.8			
			2							
15.00m to 30.00m	1	15.00	4.40	+	4.40	0.15	19.8			
			2							
30.00m to 45.00m	1	15.00	3.60	+	3.60	0.15	16.20			
			2							
45.00m to 60.00m	1	15.00	3.60	+	3.10	0.15	14.18			
			2							
60.00m to 75.00m	1	15.00	3.10	+	3.10	0.15	13.61			
			2							
75.00m to 90.00m	1	15.00	3.10	+	3.10	0.15	13.61			
			2							
90.00m to 105.00m	1	14.60	3.10	+	3.20	0.15	13.36			
			2							
0 to 3 from Rd (Right Side)										
0.00m to 15.00m	1	15.00	4.40	+	4.40	0.15	19.8			
			2							
15.00m to 30.00m	1	15.00	4.40	+	4.40	0.15	19.8			
			2							
30.00m to 45.00m	1	15.00	3.60	+	3.60	0.15	16.20			
			2							
45.00m to 60.00m	1	15.00	3.60	+	3.10	0.15	14.18			
			2							
60.00m to 75.00m	1	15.00	3.10	+	3.10	0.15	13.61			
			2							
75.00m to 90.00m	1	15.00	3.10	+	3.10	0.15	13.61			
			2							
90.00m to 105.00m	1	14.60	3.10	+	3.20	0.15	13.36			
			2							
6 cross Rd-3										
0.00m to 15.00m	1	15.00	4.40	+	4.40	0.15	9.90			
			2							
15.00m to 24.50m	1	9.50	4.40	+	4.40	0.15	6.27			
			2							
Kogilu Layout										
9th Cross Rd (Right Side)										
0.00m to 15.00m	1	15.00	3.60	+	3.10	0.15	7.54			
			2							
15.00m to 30.00m	1	15.00	3.10	+	3.10	0.15	6.98			
			2							
30.00m to 33.00m	1	3.00	3.10	+	3.10	0.15	1.40			
			2							
8th Cross Rd (Right Side)										
0.00m to 15.00m	1	15.00	3.80	+	3.80	0.15	8.55			
			2							
15.00m to 30.00m	1	15.00	3.80	+	3.80	0.15	8.55			
			2							
30.00m to 43.40m	1	13.40	3.80	+	4.00	0.15	7.84			
			2							
7th Cross Rd Right Side)										
0.00m to 15.00m	1	15.00	5.50	+	5.70	0.15	12.60			
			2							

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Asst Engineer 31/4/24

Asst. Elec. Engineer

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Description of Item	No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
				Present Qty				
						Total		
						Grand Total		

Asst Engineer

Asst Exec Engineer.

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